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1/1 - (C) FILE CAPLUS
 AN - 1997:315211 CAPLUS
 DN - 127:5731
 TI - Manufacture of vinylamine-based polymer aqueous dispersions
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 PA - Kurita Water Industries, Ltd., Japan
 SO - Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DT - Patent
 LA - Japanese
 IC - ICM C08J003/03
 ICS C08J003/075;C08L33/24
 CC - 37-3 (Plastics Manufacture and Processing)
 Section cross-reference(s): 43, 60

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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PN	JP9071659	A	19970318	JP 1996-163799	19960604 <--
PR	JP 1995-194156		19950706		
AB	The aq. dispersions are manufd. by hydrolysis of polymers having N-vinylcarboxylic acid amide units in aq. media by using 1-5 times as mu HNO3 (by mol) as the units. The dispersions are stable and useful as wastewater coagulants, sludge dewatering agents, paper additives, etc. Poly(N-vinylformamide) was hydrolyzed by using 1.0 mol (of N-vinylformamide unit) HNO3 in H2O to give an aq. dispersion contg. polymer particles with size 4-5 .mu.m and having colloid equiv. 5.9 mequiv/g (at pH 4).				
ST	vinylcarboxamide polymer aq emulsion stability; nitric acid polyvinylformamide hydrolysis; wastewater coagulant polyvinylcarboxamide aq dispersion stability; sludge dewatering polyvinylcarboxamide aq dispersion stability; paper additive polyvinylcarboxamide aq dispersion stability				
IT	Paper (additives; manuf. of stable aq. dispersions of vinylamine-based polymers by hydrolysis of vinylcarboxamide polymers with HNO3 for)				
IT	Acid hydrolysis (manuf. of stable aq. dispersions of vinylamine-based polymers by hydrolysis of vinylcarboxamide polymers with HNO3)				
IT	Coagulation agents Wastewater coagulation Wastewater treatment sludge dewatering (manuf. of stable aq. dispersions of vinylamine-based polymers by hydrolysis of vinylcarboxamide polymers with HNO3 for)				
IT	72018-12-3DP, Poly(N-vinylformamide), hydrolyzed 114815-82-6DP, Acrylonitrile-N-vinylformamide copolymer, hydrolyzed RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (manuf. of stable aq. dispersions of vinylamine-based polymers by hydrolysis of vinylcarboxamide polymers with HNO3)				
IT	7697-37-2, Nitric acid, uses RL: NUU (Nonbiological use, unclassified); USES (Uses) (manuf. of stable aq. dispersions of vinylamine-based polymers by hydrolysis of vinylcarboxamide polymers with HNO3)				